

1.1 Total Project Cost

Sr. No.	Particular	Amount (Rs.)	Grant (%)	Grant Amount (Rs.)
1	Land and Building	24,216,000	60%	14,529,600
2	Machinery and Equipment	7,633,025	60%	4,579,815
3	Furniture and Fixture	381,000	60%	228,600
4	IT & It Infrastructure	748,700	60%	449,220
5	Preliminary Expenses	35,000	60%	21,000
6	Working Capital	890,606		
	Total	33,904,331		19,808,235

Total Project Costs means the costs incurred or to be incurred by a FPC in connection with or incidental to the Construction and acquisition of assets including preopraive expenditure , design, construction and Working Capital

1.2 Means of Finance

Sr. No.	Particular	Bank Loan (%)	Amount (Rs.)
1	Govt. Grant under SMART Project		19,808,235
2	Bank Finance - Long Term Loan	20%	6,780,866
3	Own Contribution		7,315,230
	Total		33,904,331

This sheet provide details of how total project cost will raised

1.3 Financial Indicators

Sr. No.	Financial ratio	Estimated	Result	Permissible limit
1	Break Even Point (BEP)	44.68%	Project Viable	BEP shall be less than 60% <60%
2	Avg. Return on Capital Employed Average (ROCE)	27.20%	Project Viable	RoCE for the project shall be more than 20% >20%
3	Internal Rate of Return (IRR)	11.82%	Project Viable	The project internal rate of return shall be more than 10% >10%
4	Net present value (at a discount rate of 10 per cent)	2,321,633	NPV is high and positive at a conservative project life of 7 years	With a discount rate of 10% and a span of 7 operational years, the NPV should be positive Positive
5	Payback period	4.93	Project Viable	The Pack Back Period (Project/ Equity) shall be less than 7 years <7 years
6	Debt Service Coverage Ratio (DSCR)	4.03	Project Viable	DSCR shall be more than 1.5 for better performing project. >1.5



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2.1

Land and Building

Sr. No.	Particular	Unit	No. of Unit	Rate per unit	Amount (Rs.)
1	Land	Sq. ft.			Own land
					-
A	Building	Sq. ft.			
1	Dall Mill Shed -185.87 Sq.Mtr	Sq.Mtr	1	2,452,000	2,452,000
2	Warehouse 2000 MT	Sq. ft.	1	21,264,000	21,264,000
3	Land Development		1	500,000	500,000
					-
	Total				24,216,000

This Sheet provide details of land and various construction, including area, rate per unit and total amount

2.2

Machinery and Equipment

Sr. No.	Description	Capacity	No. Required	Rate	Amount (Rs.)	Total HP
B	Dal Mill Unit					
1	Chalna	1HP	2	85,000	170,000	
2	Chalna	1HP	4	75,000	300,000	
3	Di-stoner	5HP	1	145,000	145,000	
4	Bucket Elevators	2HP	10	51,000	510,000	
5	Roll Petty	10HP	3	71,500	214,500	10
6	Petti Fan	1HP	7	35,200	246,400	
7	M/s Warm	1HP	3	35,000	105,000	
8	Machinery structure, Pipe, Pulley, Belt		1	280,000	280,000	
9	Stock Hopper	12 TON	6	175,000	1,050,000	
	Dryer Hopper	-	2	95,000	190,000	
10	Dall Stock Hopper	10 TON	2	145,000	290,000	
	Dall Stock Hopper	3 TON	2	45,000	90,000	
11	Grain Dryer	1.5 TPF1	2	280,000	560,000	15
12	M/s Warm	1HP	3	38,500	115,500	5
13	Buff Polisher	15 HP	1	165,000	165,000	
14	Bucket Elevators	2 HP	1	51,000	51,000	
15	Machinery structure, Pipe		-	244,200	244,200	
16	Transportation		-	218,316	218,316	
17	Machinery Fitting charges		-	250,000	250,000	
	GST 18%		-	935084	935,084	
	Sub-total				6,130,000	
D	Packaging unit					
1	Packaging unit machine (1Kg)		1	310,000	310,000	1
	Sub-total				310,000	
E	Weigh bridge 60MT	5	1	785,000	785,000	10
F	MSEB Connection					
1	Transformation centre	100	1	259,905	259,905	
2	L T Line	0.10 Km	1	31,413	31,413	10
3	H T Line	2.15 km	1	82,685	82,685	
	Tapping Structure	1	1	34,022	34,022	
	Subtotal				408,025	
				Total	7,633,025	31

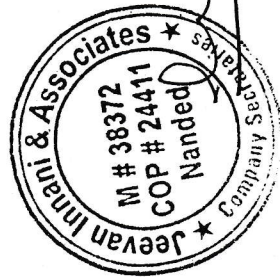
This Sheet provide details of Plant & Machinery, including Capacity, rate per machine, Power Consumption and total amount



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3.1 Schedule of General Admin Expenses

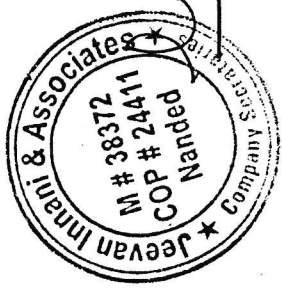
Particulars	Unit	No. of Unit	Unit Cost	Percentage						
				Y1	Y2	Y3	Y4	Y5	Y6	Y7
Manager	No.	1	30,000	100%	110.25%	115.76%	121.55%	127.63%	134.01%	
Accountant	No.	1	18,000	360,000	378,000	396,900	416,745	437,582	459,461	482,434
Skilled Labour	No.	2	10,000	216,000	226,800	238,140	250,047	262,549	275,677	289,461
Lab. Assistant	No.	0	0	240,000	252,000	264,000	277,830	291,722	306,308	321,623
Office Electricity Exp	Months	12	2,000	24,000	25,200	26,460	27,783	29,172	30,631	32,162
Printing & Stationary	Months	12	2,500	30,000	31,500	33,075	34,729	36,465	38,288	40,203
Land Lease	Months	12	5,000	60,000	63,000	66,150	69,438	72,930	76,577	80,406
Misc. expenses	Months	12	180,000	180,000	189,000	198,450	208,373	218,791	229,731	241,217
Audr and Legal Compliances expenses	Lumpsum	1	1,110,000	1,165,900	1,223,775	1,284,964	1,349,212	1,416,673	1,487,506	
Total Admin Expense										



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Depreciation
As per companies Act

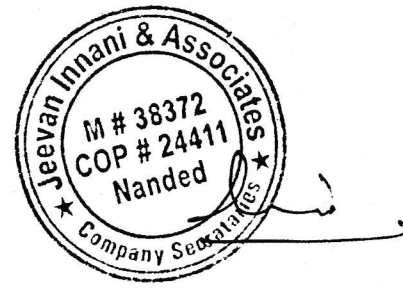
Particulars	Y1	Y2	Y3	Y4	Y5	Y6	Y7
Assets							
Building							
Asset Value	24,216,000	23,448,353	22,680,706	21,913,058	21,145,411	20,377,764	19,610,117
Depreciation	767,647	767,647	767,647	767,647	767,647	767,647	767,647
Accumulated Depreciation	767,647	1,535,294	2,302,942	3,070,589	3,838,236	4,605,883	5,373,530
Net Fixed Assets	23,448,353	22,680,706	21,913,058	21,145,411	20,377,764	19,610,117	18,842,470
Plant and Machinery							
Asset Value	7,633,025	7,149,854	6,666,684	6,183,313	5,700,343	5,217,172	4,734,002
Depreciation	483,170	483,170	483,170	483,170	483,170	483,170	483,170
Accumulated Depreciation	483,170	966,341	1,449,511	1,932,682	2,415,852	2,899,023	3,382,193
Net Fixed Assets	7,149,854	6,666,684	6,183,513	5,700,343	5,217,172	4,734,002	4,250,831
IT Infrastructure							
Asset Value	748,700	673,830	598,960	524,090	449,220	374,350	299,480
Depreciation	74,870	74,870	74,870	74,870	74,870	74,870	74,870
Accumulated Depreciation	74,870	149,740	224,610	299,480	374,350	449,220	524,090
Net Fixed Assets	673,830	598,960	524,090	449,220	374,350	299,480	224,610
Gross Fixed Asset	32,978,725	31,614,937	30,251,149	28,887,362	27,523,574	26,159,786	24,795,999
Total Depreciation	1,363,788	1,363,788	1,363,788	1,363,788	1,363,788	1,363,788	1,363,788
Accumulated Depreciation	1,363,788	2,727,575	4,091,363	5,455,151	6,818,938	8,182,726	9,546,514
Net Fixed Assets	31,614,937	30,251,149	28,887,362	27,523,574	26,159,786	24,795,999	23,432,211



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Loan Amount (Rs) 6,780,866
 Interest rate /PA 12%
 Loan Tenure in years 4
 Moratorium Period (In Months) 6
 EMI Rs. 198,514.10

Year	Particulars	Opening Balance	Interest	Princpal Repayment	EMI	Closing Outstanding
Year 1	Month 1	6,780,866	67,809	-	67,809	6,780,866
	Month 2	6,780,866	67,809	-	67,809	6,780,866
	Month 3	6,780,866	67,809	-	67,809	6,780,866
	Month 4	6,780,866	67,809	-	67,809	6,780,866
	Month 5	6,780,866	67,809	-	67,809	6,780,866
	Month 6	6,780,866	67,809	-	67,809	6,780,866
	Month 7	6,780,866	67,809	130,705	198,514	6,650,161
	Month 8	6,650,161	66,502	132,012	198,514	6,518,148
	Month 9	6,518,148	65,181	133,333	198,514	6,384,816
	Month 10	6,384,816	63,848	134,666	198,514	6,250,150
	Month 11	6,250,150	62,501	136,013	198,514	6,114,137
	Month 12	6,114,137	61,141	137,373	198,514	5,976,764
Year 2	Month 13	5,976,764	59,768	138,746	198,514	5,838,018
	Month 14	5,838,018	58,380	140,134	198,514	5,697,884
	Month 15	5,697,884	56,979	141,535	198,514	5,556,349
	Month 16	5,556,349	55,563	142,951	198,514	5,413,398
	Month 17	5,413,398	54,134	144,380	198,514	5,269,018
	Month 18	5,269,018	52,690	145,824	198,514	5,123,194
	Month 19	5,123,194	51,232	147,282	198,514	4,975,912
	Month 20	4,975,912	49,759	148,755	198,514	4,827,157
	Month 21	4,827,157	48,272	150,243	198,514	4,676,914
	Month 22	4,676,914	46,769	151,745	198,514	4,525,169
	Month 23	4,525,169	45,252	153,262	198,514	4,371,907
	Month 24	4,371,907	43,719	154,795	198,514	4,217,112
Year 3	Month 25	4,217,112	42,171	156,343	198,514	4,060,769
	Month 26	4,060,769	40,608	157,906	198,514	3,902,863
	Month 27	3,902,863	39,029	159,485	198,514	3,743,377
	Month 28	3,743,377	37,434	161,080	198,514	3,582,297
	Month 29	3,582,297	35,823	162,691	198,514	3,419,606
	Month 30	3,419,606	34,196	164,318	198,514	3,255,288
	Month 31	3,255,288	32,553	165,961	198,514	3,089,326
	Month 32	3,089,326	30,893	167,621	198,514	2,921,705
	Month 33	2,921,705	29,217	169,297	198,514	2,752,408
	Month 34	2,752,408	27,524	170,990	198,514	2,581,418
	Month 35	2,581,418	25,814	172,700	198,514	2,408,718
	Month 36	2,408,718	24,087	174,427	198,514	2,234,292
Year 4	Month 37	2,234,292	22,343	176,171	198,514	2,058,120
	Month 38	2,058,120	20,581	177,933	198,514	1,880,187
	Month 39	1,880,187	18,802	179,712	198,514	1,700,475
	Month 40	1,700,475	17,005	181,509	198,514	1,518,966
	Month 41	1,518,966	15,190	183,324	198,514	1,335,641
	Month 42	1,335,641	13,356	185,158	198,514	1,150,484
	Month 43	1,150,484	11,505	187,009	198,514	963,475
	Month 44	963,475	9,635	188,879	198,514	774,595
	Month 45	774,595	7,746	190,768	198,514	583,827
	Month 46	583,827	5,838	192,676	198,514	391,151
	Month 47	391,151	3,912	194,603	198,514	196,549
	Month 48	196,549	1,965	196,549	198,514	(0)
Year 5	Month 49	(0)	(0)	0		(0)



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5.2 Working Capital Calculation

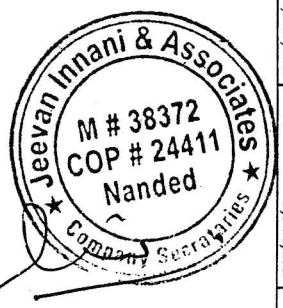
Sr. No.	Particulars	Duration (In days)	Y1	Y2	Y3	Y4	Y5	Y6	Y7
A Accounts Receivables (Debtors)									
1	Agri Input	0	-	-	-	-	-	-	-
2	Custom Hiring	14	1,742,504	2,104,074	2,401,389	2,723,175	3,071,136	3,447,085	3,852,952
3	Trading Activity	14	4,507,126	5,082,772	5,710,135	6,387,528	7,118,385	7,906,359	8,755,335
4	Dal Mill	14	110,466	123,238	137,012	151,855	167,840	176,232	185,043
5	Warehouse	14	-	-	-	-	-	-	-
6	Processing Unit - Horti Commodity	0	-	-	-	-	-	-	-
Subtotal			6,360,096	7,310,084	8,248,536	9,262,558	10,357,361	11,529,676	12,793,330
Closing Stock			1,081,228	1,218,954	1,369,478	1,532,008	1,707,367	1,896,432	2,100,135
Total			7,441,324	8,529,038	9,618,014	10,794,566	12,064,728	13,426,109	14,893,465
B									
Accounts Payable & Accrued Expenses (Creditors)									
1	Agri Input	0	-	-	-	-	-	-	-
2	Custom Hiring	7	811,784	980,253	1,118,781	1,268,712	1,430,838	1,605,911	1,795,013
3	Trading Activity	7	2,168,072	2,459,822	2,764,638	3,093,819	3,449,007	3,831,979	4,244,625
4	Dal Mill	7	8,438	8,860	9,303	9,768	10,257	10,770	11,308
5	Warehouse	7	-	-	-	-	-	-	-
Processing Unit - Horti Commodity			-	-	-	-	-	-	-
Total			2,988,295	3,448,935	3,892,722	4,372,299	4,890,102	5,448,659	6,050,947
Working Capital			4,453,029	5,080,103	5,725,292	6,422,267	7,174,626	7,977,449	8,842,518
Own Contribution			890,606	-	-	-	-	-	-



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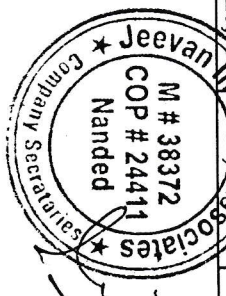
6.1 Consolidated Profit and loss account for the Project

Particulars	Y1	Y2	Y3	Y4	Y5	Y6	Y7
Revenue							
Facility 1 - Trading Activity	15,429,515	54,856,211	62,607,632	70,997,055	80,068,901	89,870,439	100,451,959
Facility 2 - Processing Unit Dal Mill	115,507,204	132,515,122	148,871,387	166,531,992	185,586,478	200,130,082	228,264,081
Facility 3 - Warehouse	2,880,000	3,213,000	3,572,100	3,959,078	4,375,823	4,594,614	4,824,344
Total Revenue	165,816,729	190,584,333	215,051,120	241,488,124	270,031,201	300,595,135	333,540,384
Variable Cost							
Facility 1 - Trading Activity	42,328,756	51,113,195	58,336,456	66,154,260	74,608,003	83,736,782	93,597,119
Facility 2 - Processing Unit Dal Mill	113,049,473	128,262,125	144,156,104	161,320,557	179,841,064	199,810,320	221,326,900
Facility 3 - Warehouse	440,000	462,000	485,100	509,355	534,823	561,564	589,642
Total Variable Cost	155,818,229	179,837,320	202,977,661	227,984,172	254,983,890	284,108,666	315,513,661
Fixed Cost							
Facility 1 - Trading Activity	540,000	567,000	595,350	625,118	656,373	689,192	723,652
Facility 2 - Processing Unit Dal Mill	780,000	819,000	859,950	902,948	948,095	995,500	1,045,275
Facility 3 - Warehouse	240,000	252,000	264,600	277,830	291,722	306,308	321,623
Admin Expenses	1,110,000	1,165,500	1,223,775	1,284,964	1,349,212	1,416,673	1,487,506
Total Fixed Cost	2,670,000	2,803,500	2,943,675	3,090,859	3,245,402	3,407,672	3,578,055
Total Cost	158,488,229	182,640,820	205,921,336	231,075,030	258,229,291	287,516,338	319,091,717
Profit Before Depreciation, Interest and Tax	7,328,550	7,943,513	9,129,784	10,413,094	11,801,910	13,078,797	14,448,667
Depreciation	1,363,788	1,363,788	1,363,788	1,363,788	1,363,788	1,363,788	1,363,788
Amortization	7,000	7,000	7,000	7,000	7,000	7,000	7,000
Profit Before Interest and Tax	5,957,762	6,572,725	7,758,997	9,042,306	10,431,122	11,715,009	13,084,880
Interest on Term loan	1,221,326	1,232,129	1,086,384	918,550	860,955	957,294	1,061,102
Profit Before Tax	4,736,437	5,340,596	6,672,613	8,123,756	9,570,167	10,757,715	12,023,777
Less Tax	570,984	867,816	1,328,340	1,800,914	2,257,752	2,635,819	3,024,993
Profit After Tax	4,165,453	4,472,780	5,344,272	6,322,843	7,312,415	8,121,896	8,998,784



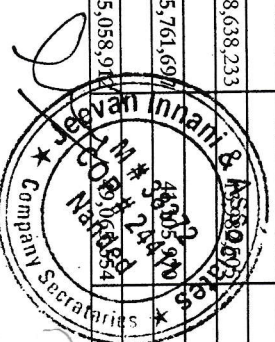
8.1 Cash Flow Statement for the Project

S. Particulars	Y1	Y2	Y3	Y4	Y5	Y6	Y7
1 Operating Profit							
Total Revenue	2,15,051,120	1,90,584,333	215,051,120	241,488,124	270,031,201	300,595,135	333,540,384
2 Equity/ Share capital	7,315,230						
Revestment							
3 Smart Grant -in-Aid	19,808,235						
4 Long Term Loan	6,780,866						
5 Short Term Loan	3,562,423	1,517,679	645,190	696,975	752,359	802,823	865,069
Sub Total (A)	203,283,532	192,102,013	215,696,309	242,185,099	270,783,560	301,397,958	334,405,453
Cash Outflow (Rs.)							
1 Capital Expenditure							
a Land and Building	24,216,000						
b Machinery and Equipment	7,633,025						
c Furniture & Fixture	381,000						
d It Infrastructure	748,700						
e Vehicle	-						
f Preliminary Expenses	35,000						
2 Operational Expenditure							
a Variable Cost	155,818,229	179,837,320	202,977,661	227,984,172	254,983,890	284,108,666	315,513,661
b Fixed Cost	2,670,000	2,803,500	2,943,675	3,090,859	3,245,402	3,407,672	3,578,055
3 Loan Repayment							
LTL - Principal	804,102	1,759,652	1,982,820	2,234,292	(0)	(0)	(0)
LTL - Interest	793,835	622,517	399,349	147,878	0	0	-
STL - Principal							
STL - Interest	427,491	609,612	687,035	770,672	860,955	957,294	1,061,102
4 Tax	570,984	867,816	1,328,340	1,800,914	2,257,752	2,635,819	3,024,993
Sub Total (B)	194,098,364	186,500,418	210,318,880	236,028,785	261,347,998	291,109,451	323,177,812
Net Cash Flow (A-B)	9,185,168	5,601,595	5,377,429	6,156,314	9,435,562	10,288,507	11,227,641
Opening Cash and Bank	9,185,168	9,185,168	14,786,763	20,164,192	26,320,506	35,756,068	46,044,575
Cumulative Cash Balance	9,185,168	14,786,763	20,164,192	26,320,506	35,756,068	46,044,575	57,272,216



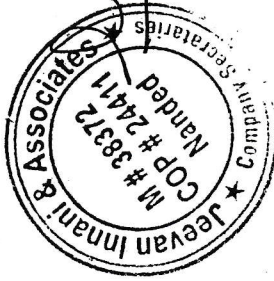
7.1 Balancesheet for the Project

Particulars	Y1	Y2	Y3	Y4	Y5	Y6	Y7
ASSETS							
Current Assets							
Cash and Bank Balance	29,189,168	14,786,763	20,164,192	26,320,506	35,756,068	46,044,575	57,272,216
Accounts Receivables							
Other Current Assets							
Total Current Assets	29,189,168	14,786,763	20,164,192	26,320,506	35,756,068	46,044,575	57,272,216
Gross Fixed Assets	32,978,725	31,614,937	30,251,149	28,887,362	27,523,574	26,159,786	24,795,999
Less: Depreciation	1,363,788	1,363,788	1,363,788	1,363,788	1,363,788	1,363,788	1,363,788
Net Fixed Assets	31,614,937	30,251,149	28,887,362	27,523,574	26,159,786	24,795,999	23,432,211
Preliminary & Pre-operative Expenses	28,000	21,000	14,000	7,000	0	0	0
TOTAL ASSETS	40,828,105	45,058,912	49,065,554	53,851,080	61,915,855	70,840,574	80,704,427
LIABILITIES & SHAREHOLDERS EQUITY							
CURRENT LIABILITIES							
Short Term Debt (Working capital loan)	3,562,423	5,080,103	5,725,292	6,422,267	7,174,626	7,977,449	8,842,518
Accounts Payable & Accrued Expenses							
Other Current Liabilities							
Total Current Liabilities	3,562,423	5,080,103	5,725,292	6,422,267	7,174,626	7,977,449	8,842,518
Secured Long Term Debt	5,976,764	4,217,112	2,234,292	0	0	0	0
Differed Tax Liabilities							
TOTAL LIABILITIES	9,539,187	9,297,215	7,959,584	6,422,267	7,174,626	7,977,449	8,842,518
Share capital	7,315,230	7,315,230	7,315,230	7,315,230	7,315,230	7,315,230	7,315,230
Smart Grant in-Aid	19,808,235	19,808,235	19,808,235	19,808,235	19,808,235	19,808,235	19,808,235
Reserves and Surplus							
Add: Opening Balance (P/L Account)	0	4,165,453	8,638,233	13,982,505	20,305,348	27,617,764	35,739,660
Profit & Loss) During the Year	4,165,453	4,472,780	5,344,272	6,322,843	7,312,415	8,121,896	8,998,784
Appropriation - Dividend							
Total Reserves	4,165,453	8,638,233	13,982,505	20,305,348	27,617,764	35,739,660	44,738,445
TOTAL EQUITY	31,288,918	35,761,699	40,083,970	47,428,813	54,741,228	62,863,125	71,861,909
TOTAL LIABILITIES & EQUITY	40,828,105	45,058,912	49,065,554	53,851,080	61,915,855	70,840,574	80,704,427



9.1 Internal Rate of Return

Particular	Y0	Y1	Y2	Y3	Y4	Y5	Y6	Y7
Profit after Tax & Dividend		4,165,453	4,472,780	5,344,272	6,322,843	7,312,415	8,121,896	8,998,784
Add: Depreciation		1,363,788	1,363,788	1,363,788	1,363,788	1,363,788	1,363,788	1,363,788
Add: Preliminary expense written off		7,000	7,000	7,000	7,000	7,000	0	0
Net Cash Accrual (A)		5,536,241	5,843,568	6,715,060	7,693,631	8,683,203	9,485,684	10,362,572
Initial Investment/ Net Cash Accrual	(33,904,331)	5,536,241	5,843,568	6,715,060	7,693,631	8,683,203	9,485,684	10,362,572
IRR		11.82%						
Present Value Equivalent		0.89	0.80	0.72	0.64	0.57	0.51	0.46
Present Value of Future Inflows		4,950,893	4,673,209	4,802,371	4,920,460	4,966,185	4,851,547	4,739,666
Operating Net Cash Inflow					33,904,331			
Present Capital Outflow								33,904,331



9.2 Break even Point

Particulars	Y1	Y2	Y3	Y4	Y5	Y6	Y7
Gross Receipts							
Facility 2 - Processing Unit- Dal Mill	117,507,204	132,515,122	148,871,387	166,531,992	185,586,478	206,130,082	228,264,081
Total Receipts	165,816,778	190,584,333	215,051,120	241,488,124	270,031,201	300,595,135	333,540,384
Total Variable Exp	155,818,229	179,837,320	202,977,661	227,984,172	254,983,890	284,108,666	315,513,661
Contribution	9,998,550	10,747,013	12,073,459	13,503,953	15,047,311	16,486,469	18,026,723
Total Fixed exp	6,581,134	6,177,129	5,878,074	5,658,812	5,502,696	5,391,410	5,331,032
BEP	66%	57%	49%	42%	37%	33%	30%

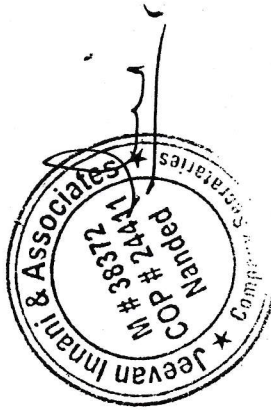
Average BEP 44.68%



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9.3 Net Present Value

Particular	Y1	Y2	Y3	Y4	Y5	Y6	Y7
Profit after Tax & Dividend	4,165,453	4,472,780	5,344,272	6,322,843	7,312,415	8,121,896	8,998,784
Add: Depreciation	1,363,788	1,363,788	1,363,788	1,363,788	1,363,788	1,363,788	1,363,788
Add: Preliminary exp Written off	7,000	7,000	7,000	7,000	7,000	0	0
Net Cash Accrual (A)	5,536,241	5,843,568	6,715,060	7,693,631	8,683,203	9,485,684	10,362,572
PV Factor @ 10 %	0.91	0.83	0.75	0.68	0.62	0.56	0.51
Disc Cash Flow	5,032,946	4,829,395	5,045,124	5,254,853	5,391,586	5,354,421	5,317,638
Total Discounted Cash Flows	36,225,963						
Present Value of Outflow	33,904,331						
NPV	2,321,633						



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9.5 Payback Period (In years) - Project

Particulars	Y0	Y1	Y2	Y3	Y4	Y5	Y6	Y7
Initial Investment	33,904,331							
Profit after Tax & Dividend		4,165,453	4,472,780	5,344,272	6,322,843	7,312,415	8,121,896	8,998,782
Add: Depreciation		1,363,788	1,363,788	1,363,788	1,363,788	1,363,788	1,363,788	1,363,788
Add: Preliminary exp Written off		7,000	7,000	7,000	7,000	7,000		
Net Cash Accrual (A)		5,536,241	5,843,568	6,715,060	7,693,631	8,683,203	9,485,684	10,362,572
Cashflow - Initial Investment		(28,368,090)	(22,524,522)	(15,809,462)	(8,115,832)	567,371		

4.93

Payback period (in years) - Project



RAJE MALHARRAO FPC

Grains Crops and Production Details

10.1 Details of members and non-members

Particulars	No.
Total No of Members Cultivating Grain Crops	1500
Total No of Non-members Cultivating Grain Crops	1350
Total	2850
Average Land Holding per Member (Acres)	2.3
Total Cultivated Land under grain Crop(Acres)	6555

10.2 Statement Showing Area, production, productivity and marketable Surplus of Crops

Season	Crop	Total Land under Cultivation (In Acres)		Yield/Acres (In Quintals)	Total Production (In Quintals)		Consumption in (%)		Marketable Surplus (In Quintals)
		Cultivation In (%)	Cultivation (In Acres)		Production (%)	Production (In Quintals)	Consumption (%)	Consumption (In Quintals)	
Kharif	Sorbean	45%	2950	9	26548	0%	26548	0%	26548
	Red Gram/Tur	75%	4916	6	29498	2%	28908	0	28908
	Paddy/Rice	0%	0	0	0	0%	0	0	0
	Green Gram/ Moong	15%	983	6	5899.5	2%	5782	0	5782
	Maize	0%	0	6	0	0%	0	0	0
	Black Gram/Udid	12%	787	6	4719.6	3%	4578	0	4578
	Bajra	0%	0	0	0	0%	0	0	0
	Jawar	4%	262	9	2359.8	10%	2124	0	2124
	Cotton	20%	1311	8	10488	0%	10488	0	10488
	Wheat	0%	0	0	0	10%	0	0	0
	Bengal Gram/Channa	72%	2832	5	14159	5%	13451	0	13451
	Jawar	5%	196.65	8	1573.2	15%	1495	0	1495
	Maize	0%	0	0	0	0%	0	0	0
	Safflower	10%	393.3	5	1966.5	0%	1966.5	0	1966.5
Area Under Summer Cultivation (In Acres)	0%	0	0	0	0%	0	0	0	
Summer	Groundnut	0%	0	0	0	0%	0	0	0
		0%	0	0	0	0%	0	0	0
		0%	0	0	0	0%	0	0	0

Note: Please note the crops/fruits/vegetable grown in the FPC catchment which has marketable Surplus

10.3 Quantity of Marketable Surplus Produce Considered for Trading Business

Particulars	Quantity of Marketable Surplus Produce Considered for Trading Business						
	Y1	Y2	Y3	Y4	Y5	Y6	Y7
Sorbean	5310	6106	6637	7168	7699	8230	8761
Red Gram/Tur	5782	6649	7227	7805	8383	8961	9539
Green Gram/ Moong	1156	1330	1445	1561	1677	1792	1908
Bengal Gram/Channa	2690	3094	3363	3632	3901	4170	4439

10.4 Quantity of Marketable Surplus Produce Considered for Processing Business

Particulars	Quantity of Marketable Surplus Produce Considered for Processing Business						
	Y1	Y2	Y3	Y4	Y5	Y6	Y7
Red Gram/Tur	11563	12430	13297	14165	15032	15899	16766
Green Gram/ Moong	2313	2486	2659	2833	3006	3180	3353
Black Gram/Udid	1831	2289	2747	3205	3662	4120	4578
Bengal Gram/Channa	5380	5784	6187	6591	6994	7398	7801



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Facility 3 - Trading Unit
12.1 Producers/ Capacity Utilization

Capacity
No. of Hours
10 Quintal/Hour 90% efficiency
8
11791

No. of Working Days
240

Particulars	Tentative Wastage Percentage						
	Y1	Y2	Y3	Y4	Y5	Y6	Y7
No. of Operation Days	238.00	274.00	298.00	322.00	346.00	369.00	393.00
Soybean	5,310	6,106	6,637	7,168	7,699	8,230	8,761
Red Gram/Tur	5,782	6,649	7,227	7,805	8,383	8,961	9,539
Paddy/Rice	-	-	-	-	-	-	-
Green Gram/ Moong	1,156	1,330	1,445	1,561	1,677	1,792	1,908
Bengal Gram/Channa	2,690	3,094	3,363	3,632	3,901	4,170	4,439
Total Grains Quantity to be Processed	19,068	21,928	23,835	25,741	27,648	29,555	31,462
Total F & V Quantity to be Processed	-	-	-	-	-	-	-
Job Work for Grains	55%	55%	55%	55%	55%	55%	55%
Quantity for trading of Grains	45%	45%	45%	45%	45%	45%	45%
Job Work (80%)	10,487	12,060	13,109	14,158	15,206	16,255	17,304
Quantity for sale (20%)	-	-	-	-	-	-	-
Soybean	2,389.30	2,748	2,987	3,226	3,464	3,703	3,942
Red Gram/Tur	2,602	2,992	3,252	3,512	3,772	4,033	4,293
Green Gram/ Moong	520	598	650	702	754	807	859
Bengal Gram/Channa	1,211	1,392	1,513	1,634	1,755	1,876	1,997
Output	-	-	-	-	-	-	-
Soybean	2,318	2,665	2,897	3,129	3,361	3,592	3,824
Red Gram/Tur	2,524	2,902	3,155	3,407	3,659	3,912	4,164
Green Gram/ Moong	505	580	631	681	732	782	833
Bengal Gram/Channa	1,174	1,350	1,468	1,585	1,703	1,820	1,938



12.2 Facility 1 - Profit and loss of Trading

100% 105.00% 110.25% 115.76% 121.55% 127.63% 134.01%

Particulars	Rate	Y1	Y2	Y3	Y4	Y5	Y6	Y7
Revenue								
Soybean	6,400	14,832,759	17,910,356	20,441,396	23,180,543	26,142,501	29,342,704	32,797,571
Red Gram/Tur	6,600	16,655,952	20,112,062	22,953,984	26,029,818	29,355,850	32,949,411	36,828,939
Green Gram/Mung	7,600	3,855,916	4,631,869	5,286,372	5,994,746	6,760,741	7,588,349	8,481,816
Bengal Gram/Channa	5,500	6,458,430	7,798,555	8,900,524	10,093,195	11,382,881	12,776,302	14,280,609
Job Work Charges	100	1,048,724	1,266,334	1,445,273	1,638,939	1,848,359	2,074,624	2,318,894
Fruit & Vegetables Crop Production Details								
Total Revenue		45,429,575	57,856,211	62,607,632	70,997,055	80,068,901	89,870,439	100,451,959
Expenses								
Variable Cost								
Soybean	6,000	14,335,785	17,310,460	19,756,504	22,403,875	25,266,593	28,359,572	31,698,683
Red Gram/Tur	5,700	14,829,573	17,906,710	20,437,005	23,175,564	26,136,886	29,336,402	32,790,526
Green Gram/Mung	6,000	3,122,015	3,769,834	4,302,527	4,879,066	5,502,502	6,176,085	6,903,269
Bengal Gram/Channa	4,700	5,689,714	6,870,329	7,841,137	8,891,849	10,028,030	11,255,599	12,580,855
Daily Labour	1	71,400	86,310	98,564	111,827	126,170	141,284	157,997
Electricity Charges	30	852,230	1,030,196	1,176,454	1,334,762	1,505,960	1,686,370	1,885,855
Gunny Bags/100 Kg	40	332,922	402,004	458,808	520,289	586,770	656,599	736,143
Transportation Cost/100 Kg	60	499,383	603,005	688,213	780,433	880,155	987,898	1,104,215
Add: Opening Stock								
Less: Closing Stock								
Total Variable Cost		42,328,756	51,113,195	58,336,456	66,154,260	74,608,003	83,736,782	93,597,119
Fixed Cost								
Machine Operator	1	180,000	189,000	198,450	208,373	218,791	229,731	241,217
Other Labour	3	360,000	378,000	396,900	416,745	437,582	459,461	482,434
Total Fixed Cost		540,000	567,000	595,350	625,118	656,373	689,192	723,652
Total Expenses		42,868,756	51,680,195	58,931,806	66,779,378	75,264,377	84,425,974	94,320,771
Operating Income		2,560,819	3,176,016	3,675,826	4,217,678	4,800,525	5,444,465	6,131,187



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Facility 2 - Grain Processing Unit - Dal Mill
 13.1 Producers/ Capacity Utilization

10 Qlts P Hour
 90% efficiency
 1 TPH

Capacity
 No. of Hours

Particulars	Y1	Y2	Y3	Y4	Y5	Y6	Y7
No. of Operation Days	264	273	294	315	336	357	378
Red Gram/Tur	0	0	0	0	0	0	0
Green Gram/ Moong	11563	12430	13297	14165	15032	15899	16766
Black Gram/Udid	2313	2486	2659	2833	3006	3180	3353
Bengal Gram/Channa	1831	1145	1373	1602	1831	2060	2289
Total Quantity to be Processed	5380	5784	6187	6591	6994	7398	7801
Quantity for Processing and Dal Mill	21087	21845	23518	25191	26864	28537	30210
Job Work	100%	100%	100%	100%	100%	100%	100%
Quantity for sale	-	-	-	-	-	-	-
Red Gram/Tur	0	-	-	-	-	-	-
Green Gram/ Moong	11563	12430	13297	14165	15032	15899	16766
Black Gram/Udid	2313	2486	2659	2833	3006	3180	3353
Bengal Gram/Channa	1831	1145	1373	1602	1831	2060	2289
Output (KG)	5380	5784	6187	6591	6994	7398	7801
Red Gram/Tur	-	-	-	-	-	-	-
Dal (80%)	9250	9944	10638	11332	12026	12719	13413
Husk and Powder	2313	2486	2659	2833	3006	3180	3353
Paddy/Ricc	-	-	-	-	-	-	-
Green Gram/ Moong	-	-	-	-	-	-	-
Dal (80%)	1850	1989	2128	2266	2405	2544	2683
Husk and Powder	463	497	532	567	601	636	671
Black Gram/ Udid	-	-	-	-	-	-	-
Dal (80%)	1465	916	1099	1282	1465	1648	1831
Husk and Powder	366	229	275	320	366	412	458
Bengal Gram/Channa	-	-	-	-	-	-	-
Dal (80%)	4304	4627	4950	5273	5596	5918	6241
Husk and Powder	1076	1157	1237	1318	1399	1480	1560



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**Facility 3 - Warehouse
14.1 Capacity Utilization**

Capacity 2,000.00 MT

No. of Month 12

Particular	Y1	Y2	Y3	Y4	Y5	Y6	Y7
Capacity Utilisation	80%	85%	90%	95%	100%	100%	100%
Total Quantity Stored per Annum	19,200.00	20,400.00	21,600.00	22,800.00	24,000.00	24,000.00	24,000.00

14.2 Facility 3 - Profit and loss of Warehouse

Particulars	Unit	Rate	100%	105.00%	110.25%	115.76%	121.55%	127.63%	134.01%
			Y1	Y2	Y3	Y4	Y5	Y6	Y7
Vegetable									
Storage Charges per MT per Month		150	2,880,000	3,213,000	3,572,100	3,959,078	4,375,823	4,594,614	4,824,344
Total Revenue			2,880,000	3,213,000	3,572,100	3,959,078	4,375,823	4,594,614	4,824,344
Expenses									
Variable Cost									
Dunnage	MT	10	80,000	84,000	88,200	92,610	97,241	102,103	107,208
Fumigation	MT	10	240,000	252,000	264,600	277,830	291,722	306,308	321,623
Electricity		10,000	120,000	126,000	132,300	138,915	145,861	153,154	160,811
Total Variable Cost			440,000	462,000	485,100	509,355	534,823	561,564	589,642
Fixed Cost									
Warehouse Manager		1 20,000	240,000	252,000	264,600	277,830	291,722	306,308	321,623
Total Fixed Cost			240,000	252,000	264,600	277,830	291,722	306,308	321,623
Total Expenses			680,000	714,000	749,700	787,185	826,544	867,871	911,265
Operating profit			2,200,000	2,499,000	2,822,400	3,171,893	3,549,278	3,726,742	3,913,079

